

ABSTRACT OF THE DISCLOSURE

A two-way CATV system is easy of maintenance, stable of a transmission quality and capable of restraining inter-modulation distortion noises of downstream RF signal

- 5 carriers which are caused by non-linearity of electric contact members of coaxial connectors among upstream ingress noises becoming a problem when performing communications services by utilizing a CATV transmission path. The two-way CATV system comprises at least one bidirectional amplifier provided on a
10 CATV transmission path for connecting a CATV center station to a subscriber home, a bias voltage superposing element for superposing, with a bias voltage, a downstream signal transmitted along a coaxial transmission path subordinate to an amplifier at the terminal among the bidirectional amplifiers, and a bias
15 current adjusting load element, provided at the end of the coaxial transmission path, for setting the bias current corresponding to an application of the bias voltage superposed by the bias voltage superposing element.